

[METHOD OF MANUFACTURING PHOTO-DIODE]

Abstract

A method of manufacturing of a photodiode is provided. The photodiode is formed on a substrate of a first conductive type. First, an isolation structure is formed in the substrate to define a photosensitive area in the substrate. Thereafter, trenches are formed in the substrate. Next, a doped layer of a second conductive type is formed on the substrate. The doped layer covers at least the inner wall of the trenches and a top portion of the substrate. The method of fabricating the photodiode can reduce overall processing time and cost and improve production efficiency.